

Sections (Indiana v3.6)

Last Modified on 12/23/2024 12:52 pm CST

You are viewing a previous version of this article. See the [Indiana Ed-Fi article](#) for the most current information.

[Object Triggering Logic](#) | [School Exclude, Calendar Exclude, Resource Toggle and Resync Logic](#) | [Natural Key Changes, Cascading Updates, and Deletes Logic](#) | [Scope Year Logic](#) | [Resource Preferences](#) | [Identity Mapping Object Key](#) | [Event Queue Detail](#) | [Object Data Elements](#) | [Arrays](#) | [Type/Descriptor](#)

This educational entity represents a setting in which organized instruction of course content is provided to one or more students for a given period of time. A course may be offered to more than one class/section. Instruction, provided by one or more teachers or other staff members, may be delivered in person or via a different medium.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When a section is created and saved. <ul style="list-style-type: none"> Section Placement is required in order for the section to send. One record will report for each Section and Term Type combination. Do not send records if the Calendar Exclude checkbox is marked. Do not send records if the course is marked inactive or 'Exclude from State Reporting'. Do not send if the School Exclude checkbox is marked.
Post	When Section Placement is changed and saved on a section.
Post	When the Local Course Number or Term type Override is changed.
Put	When any fields listed below are changed: <ul style="list-style-type: none"> When the local course name, course number, or SCED Sequence Number is changed and saved on the Course editor. When Credit is changed on Grading Task Credit. When the Instructional Setting is changed and saved on a section. When the Room ID is changed and saved on a section. When the Medium of Instruction field is changed or added. When the Name field is changed on Period. When the ScheduleID field is changed on the Period Schedule.
Delete	When a section is deleted.
Delete	When Section Placement is changed or removed and saved on a section.
Delete	When the Local Course Number is changed.

School Exclude, Calendar Exclude, Resource Toggle and Resync Logic

This table describes the School Exclude, Calendar Exclude, Resource Toggle and Resync logic of this object.

Action	Trigger
None	If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send.
Delete	If a resource is toggled to 'OFF' after data has sent and an action is performed that would trigger a delete, that data will remain in the ODS until a resync is done.
Resync	If a record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table.
Resync	If a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS.
Resync	If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes.

Natural Key Changes, Cascading Updates, and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

Action	Trigger
Post/Delete	Natural Key Changes: <ul style="list-style-type: none"> If the School ID changes, all data will remain under the old number and a resync will need to be completed to populate data under the new number. The delete tool would need to be used to remove all data from the old School ID.
Post/Delete	If any of the following changes in the Course Offerings resource: <ul style="list-style-type: none"> Local Course Code Session Name
Post/Delete	If the natural key changes all dependent data will delete/post.
Dependent Resources	Staff Section Associations, Student Section Associations, Student Section Attendance Events, Grades.

Scope Year Logic

This table describes scope year logic of this object.

Logic
Sections report to the configured year to which they are aligned.
Data only sends for years that have valid configuration.

Resource Preferences

Data Element Label	Mapping Needed
Instructional Setting	Educational Environment Descriptors

Identity Mapping Object Key

campusObjectType	Object Key Data Source
SectionPlacement	sectionID-termID

Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
sectionPlacement	Post/Put/Delete	The primary table used for sending data for this resource .
course	Put	Sequence of Course
section	Put	Educational Environment Descriptor
gradingTaskCredit	Put	Available Credits

Object Data Elements

This table describes data elements sent within the Sections resource.

▶ [Click here to expand...](#)

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
id	The unique identifier of the resource.		M	
sectionIdentifier uniqueSectionCode	The local identifier assigned to a section.	Reports the section ID of the section being reported.	M	Course > Section section.sectionID
courseOfferingReference	A reference to the related CourseOffering resource.	Reports the fields that are part of the Natural Key for the Course Offering resource.	M	
locationReference	A reference to the related Location resource.	Reports the fields that are part of the Natural Key for the Locations resource.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
locationSchoolReference	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the School resource.	M	
availableCreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O	
availableCredits	Credits or units of value awarded for the completion of a course.	<ol style="list-style-type: none"> Sum the total number of credits from the Grading Tasks on the course. Divide by the number of terms the course section occurs. 	O	Course > Grading Tasks > Credit gradingTaskCredit.Credit
availableCreditTypeDescriptor	The type of credits or units of value awarded for the completion of a course.	This is optional, does not report.	O	
characteristics	This descriptor defines characteristics of a section, such as whether attendance is taken and the section is graded.	This is optional, does not report.	O	
classPeriods	The class period during which the Section meets.	See array section for logic.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
courseLevelCharacteristics	The type of specific program or designation with which the section is associated (e.g., AP, IB, Dual Credit, CTE). This collection should only be populated if it differs from the Course Level Characteristics identified at the Course Offering level.	This is optional, does not report.	O	
educationalEnvironmentDescriptor	The setting in which a child receives education and related services; for example: Center-based instruction Home-based instruction Hospital class Mainstream Residential care and treatment facility.	This is optional, does not report.	O	Course > Section > Instructional Setting section.instructionalSetting
instructionLanguageDescriptor	The primary language of instruction, if omitted English is assumed.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
mediumOfInstructionType	The media through which teachers provide instruction to students and students and teachers communicate about instructional matters; for example: Technology-based instruction in classroom Correspondence instruction Face-to-face instruction Virtual/On-line Distance learning Center-based instruction.	<ul style="list-style-type: none"> • Reports the Ed-Fi Code value from the mapped Medium of Instruction selected on the course section being reported • If NULL, reports the value to 'Face-to-face instruction' <ul style="list-style-type: none"> ◦ Will always report this unless the field is explicitly changed to a different value. 	M	Scheduling > Course > Section > Medium of Instruction section.mediumOfInstruction
offeredGradeLevels	The grade levels in which the section is offered. This collection should only be populated if it differs from the Offered Grade Levels identified at the Course Offering level.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
populationServedDescriptor	The population for which the course was designed; for example: Bilingual students Remedial education students Gifted and talented students Career and Technical Education students Special education students.	This is optional, does not report.	O	
programs	An unordered collection of sectionPrograms. This educational entity represents a setting in which organized instruction of course content is provided to one or more students for a given period of time. A course may be offered to more than one class/section. Instruction, provided by one or more teachers or other staff members, may be delivered in person or via a different medium.	This is optional, does not report.	O	
sectionName	The local name of the section.	Reports the courseNumber-sectionNumber + courseName <ul style="list-style-type: none"> Ex: 1000-100 English 9 	O	Course > Number Section > Number Course > Name

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
sequenceOfCourse	When a section is part of a sequence of parts for a course, the number if the sequence. If the course has only one part, the value of this section attribute should be 1.	<ol style="list-style-type: none"> 1. Reports the value selected in the SCED Sequence "Part n" field. 2. If NULL, reports '1'. 	M	Scheduling > Course > Course courseinfo.SCEDSequenceNumber
etag	A unique system-generated value that identifies the version of the resource.	<ol style="list-style-type: none"> 1. This is optional, does not report. 	O	

Arrays

[▶ Click here to expand...](#)

Class Periods

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
classPeriodReference	The period Name.	Reports the Name of the period .	M	System Administration > Calendar > Calendar > Periods period.name

Type/Descriptor

[▶ Click here to expand...](#)

Medium Of Instruction Types

Code Value	Description	Namespace
Face-to-face instruction	Face-to-face instruction	uri://ed-fi.org/MediumOfInstructionDescriptor
Technology-based instruction in classroom	Technology-based instruction in classroom	uri://ed-fi.org/MediumOfInstructionDescriptor

Virtual/On-line Distance learning	Virtual/On-line Distance learning	uri://ed-fi.org/MediumOfInstructionDescriptor
-----------------------------------	-----------------------------------	---

Educational Environment Descriptors

Code Value	Description	Namespace	Short Description
Hospital class	Hospital class	uri://ed-fi.org/EducationalEnvironmentDescriptor	Hospital class
Laboratory	Laboratory	uri://ed-fi.org/EducationalEnvironmentDescriptor	Laboratory
Pull-out class	Pull-out class	uri://ed-fi.org/EducationalEnvironmentDescriptor	Pull-out class
Self-contained (Special Education)	Self-contained (Special Education)	uri://ed-fi.org/EducationalEnvironmentDescriptor	Self-contained (Special Education)
Off-school center	Off-school center	uri://ed-fi.org/EducationalEnvironmentDescriptor	Off-school center
Shop	Shop	uri://ed-fi.org/EducationalEnvironmentDescriptor	Shop
Resource room	Resource room	uri://ed-fi.org/EducationalEnvironmentDescriptor	Resource room
Self-study	Self-study	uri://ed-fi.org/EducationalEnvironmentDescriptor	Self-study
Homebound	Homebound	uri://ed-fi.org/EducationalEnvironmentDescriptor	Homebound
Single sex classroom	Single sex classroom	uri://ed-fi.org/EducationalEnvironmentDescriptor	Single sex classroom
Classroom	Classroom	uri://ed-fi.org/EducationalEnvironmentDescriptor	Classroom
Mainstream (Special Education)	Mainstream (Special Education)	uri://ed-fi.org/EducationalEnvironmentDescriptor	Mainstream (Special Education)
In-school suspension	In-school suspension	uri://ed-fi.org/EducationalEnvironmentDescriptor	In-school suspension